

# **What's New !**

## **National Weather Service**

### **Products and Services Update**

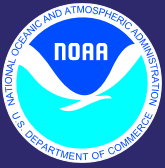
**Ted Buehner / Kirby Cook**

**Warning Coordination  
Meteorologist**

**Science and Operations  
Officer**

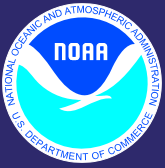
**National Weather Service  
Seattle/Tacoma**





# What's New?

- **Articulate Weather Education Slide Shows**
- **Use of EAS for 'Major' Floods**
- **FLARE**
- **GoToMeeting**
- **E-Warn**
- **Storm-Based Warnings**
- **Enhance Area Forecast Discussion**

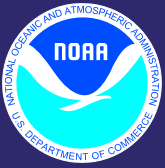


# What's New from the NWS



## On-Line Weather Educational Slide Shows

- *Just Getting Started*
- *Local Topics*
  - Pacific NW Wind Storms
  - Puget Sound Convergence Zone
  - Pineapple Express
  - Heat Waves
- *Less Than 15 Min Long*
- *Great For Home, Work, the Classroom*
- *[weather.gov/seattle](http://weather.gov/seattle)*



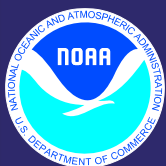
# What's New from the NWS



**Interstate-5 – Centralia  
Dec 4, 2007**

- **Emergency Alert System (EAS) Use in 'Major' Floods**
  - *Revised EAS Activation*
    - Based on Lessons Learned 2006-07 Winter
    - **'Major'** Flood Category Is Forecast
    - Now In Effect
    - Consistent with Oregon
    - Used 4 Times in the Early Dec Storm Event





# Fully Localized Atmospheric Research Environment FLARE

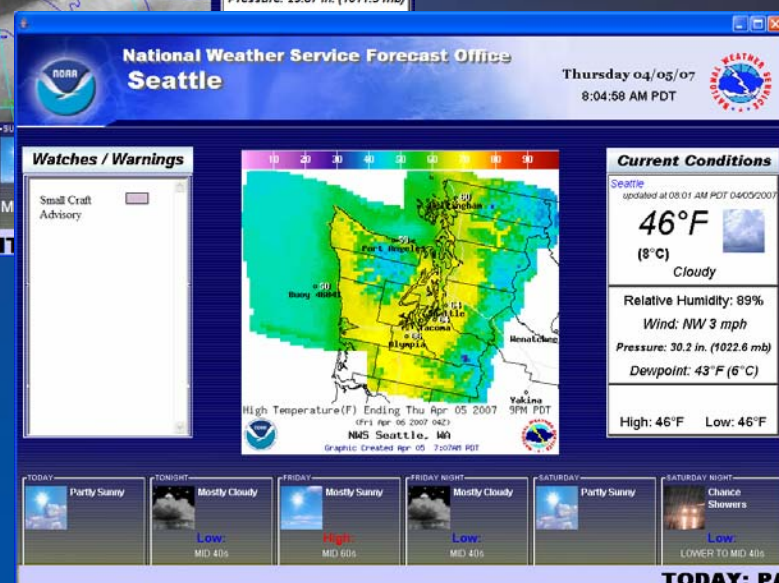


## Desktop Weather Display System



- 5 separate panels
  - Observational data
  - Local zone forecasts
    - Icons
    - Ticker
  - Looping images
  - Warning display
- Customize to your needs
- Great for Kiosks, EOCs, desktops, etc

**Available NOW!**

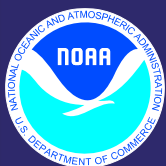


Application

<http://www.wrh.noaa.gov/wrh/ssd/flare.msi>

Documentation

<http://www.wrh.noaa.gov/wrh/ssd/index-flare.html>



# GoToMeeting



- Interactive on-line weather briefings
- Action item from the Governor's AAR

*All 4 Wash NWS offices now in use*

- Tested 2006-07 winter season
- Ability for the “briefer” to display their PC desktop remotely to everyone else
- Operates best with high speed Internet
- Used many times this winter

– *Examples*

## Features and Benefits

### Feature

### Benefit



**Desktop Viewing**

Enhance meetings by showing attendees any application and file on your desktop. Attendees can share their desktops, too.



**Share Keyboard and Mouse Control**

Securely collaborate with colleagues on projects by working together in real time.



**Email and Instant-Messaging Integration**

Start scheduled or spontaneous meetings from Microsoft® Outlook®, IBM® Lotus Notes® or various instant-messaging services.



**Chat**

Chat with all attendees or converse privately with a specific participant.



**Free Voice Conferencing Service Included**

Set up meetings quickly using a single number for both the access code and voice conferencing service.



**Desktop Recording/ Meeting Playback**

Save, replay, post or email valuable interactions and presentations – including audio.



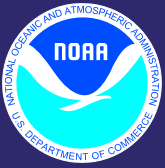
**Specific Application Sharing**

Share only the application you choose, keeping attendees focused on what you want them to see.



**Drawing Tools**

Increase participation and spice up presentations with tools to draw, highlight and point to items of interest right on the screen.



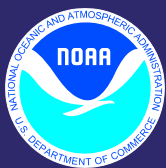
# E-Warn



- Automatic Email Notification
- Can send to cell phone (via email)
- Set up for single or multiple counties
- Just need your desired email address and type of messages you wish to receive

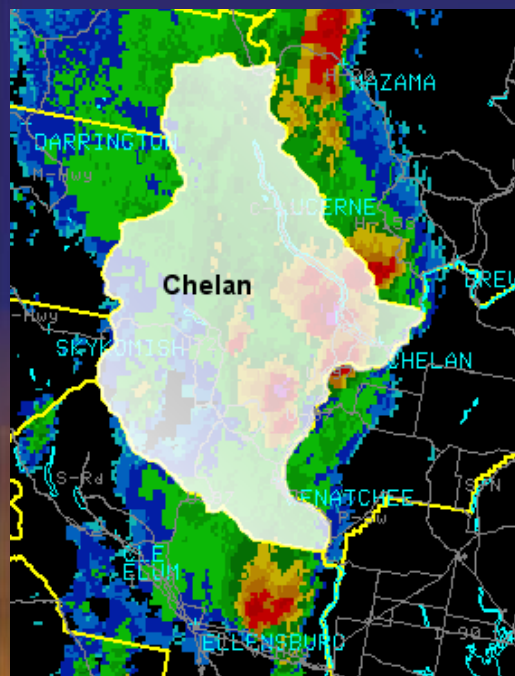
2KB Highest	EWARN-OTX	SEVERE THUNDERSTORM WARNING
2KB Highest	EWARN-OTX	SEVERE THUNDERSTORM WARNING
2KB Highest	EWARN-OTX	SEVERE THUNDERSTORM WARNING
2KB Highest	EWARN-OTX	SEVERE THUNDERSTORM OR TORNADO WATCH
2KB Highest	EWARN-OTX	SEVERE THUNDERSTORM OR TORNADO WATCH
2KB Highest	EWARN-OTX	SEVERE THUNDERSTORM OR TORNADO WATCH
2KB Highest	EWARN-OTX	SEVERE THUNDERSTORM WARNING
2KB Highest	EWARN-OTX	SEVERE THUNDERSTORM OR TORNADO WATCH
<div><div></div><div><b>Subject:</b> SEVERE THUNDERSTORM WARNING</div><div><b>From:</b> EWARN-OTX &lt;EWARN@ls1-otx.geg.noaa.gov&gt;</div><div><b>Date:</b> 8/31/2007 6:56 PM</div><div><b>To:</b> <a href="#">undisclosed-recipients: ;</a></div></div>		
SVR WAC063 010245 OTX		
*****		
!!! SEVERE THUNDERSTORM WARNING !!!		
FOR:		
Spokane County, WA		
ISSUED: 06:51 PM FRI AUG 31		
UNTIL: 07:45 PM Fri Aug 31		
ISSUED BY: WFO SPOKANE WASHINGTON		





# Storm-based Warnings

## October 1, 2007



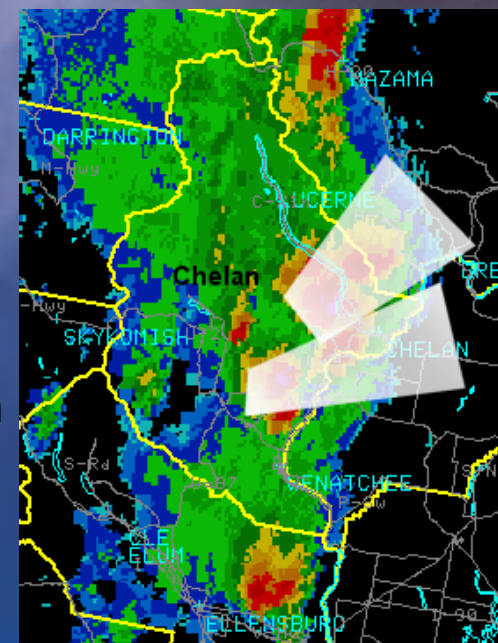
County Based (now)

- Improved graphical warning displays

THE SEVERE THUNDERSTORM WILL BE  
NEAR...LEAVENWORTH BY 410 PM PDT

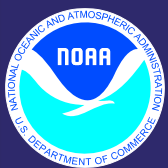
LAT...LON 4746 12105 4740 12049 4787 12033  
4793 12085

- For Tornadoes, Severe Tstms, Flash Floods, Special Marine Warnings
- Support wider warning distribution through the web, cell phones, PDAs
- **Goal** - to improve the accuracy of warnings and minimize the impact on residents outside the polygon area
- Based on GIS technology with use of lat/long
- **NOAA Weather Radio** - still whole county-based warnings



Storm-Based (Oct 1st)



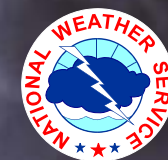
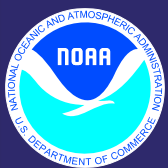


# Enhanced Area Forecast Discussion

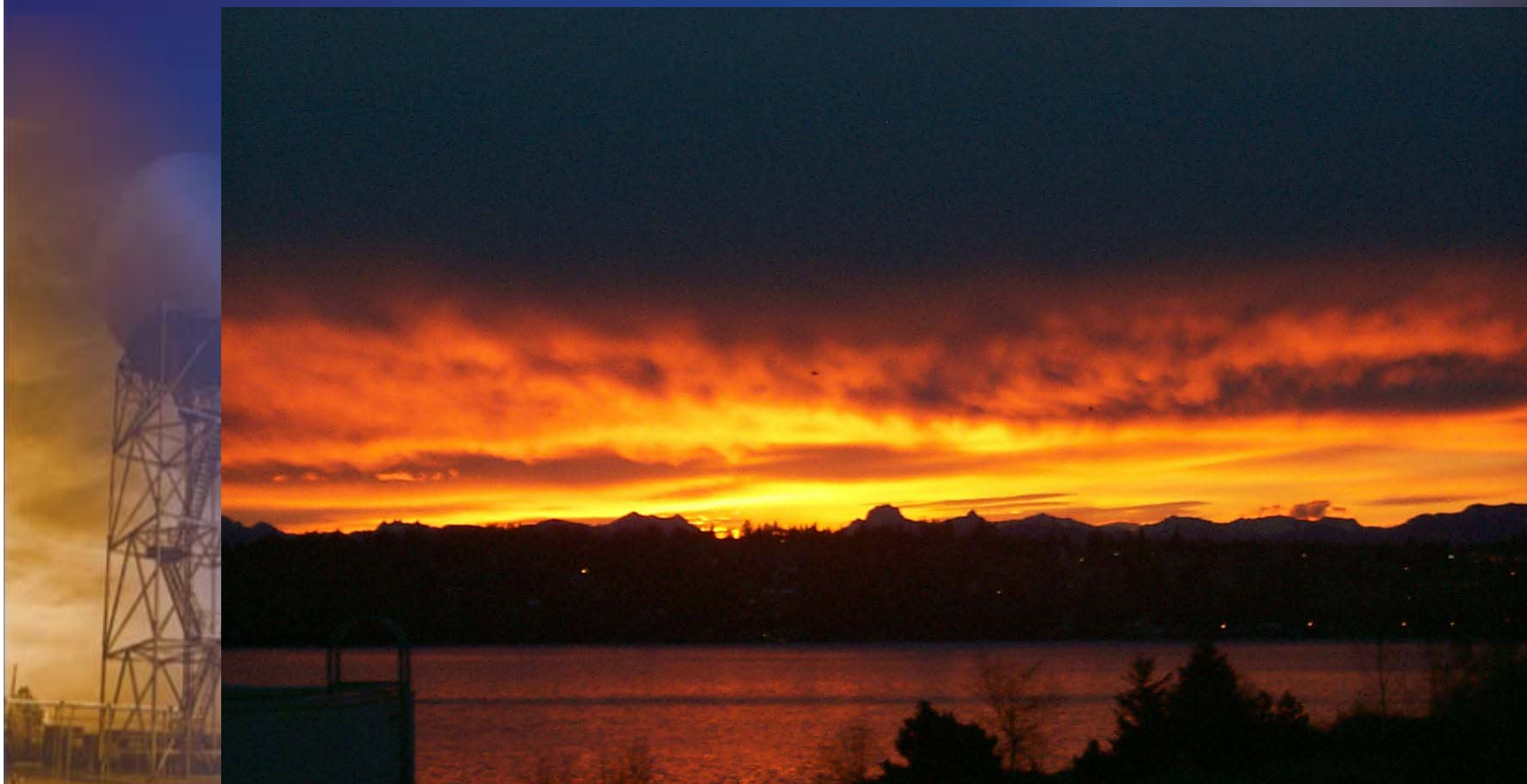


- Where the AFD is intended as a glimpse into the thought process behind the forecast – the EAFD takes it a step further by adding images
- Web based
- Updated with the standard AFD
- Version/History available

The screenshot shows the National Weather Service Forecast Office website for Seattle, WA. The page features a navigation bar with links to HOME, NEWS, ORGANIZATION, and Frequently Asked Questions. A search bar is also present. The main content area displays the "Latest News & Information" section, where the link "Enhanced Graphical Area Forecast Discussion now available!" is highlighted with a red box. Below this, there is a section for "Forecast by City" and a map of Northwest Washington showing various locations and their corresponding forecast areas. The map includes labels for cities like Bellingham, Everett, Seattle, Tacoma, Olympia, and Yakima. A legend on the right side of the map provides information on how to read watches, warnings, and advisories, including Gale Warning, Snow Advisory, Small Craft Advisory, Special Weather Statement, and Hazardous Weather Outlook. The page also includes a "Last map update" timestamp and links to "Map FAQ" and "Glossary".



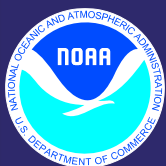
# Questions ??





# Questions ???





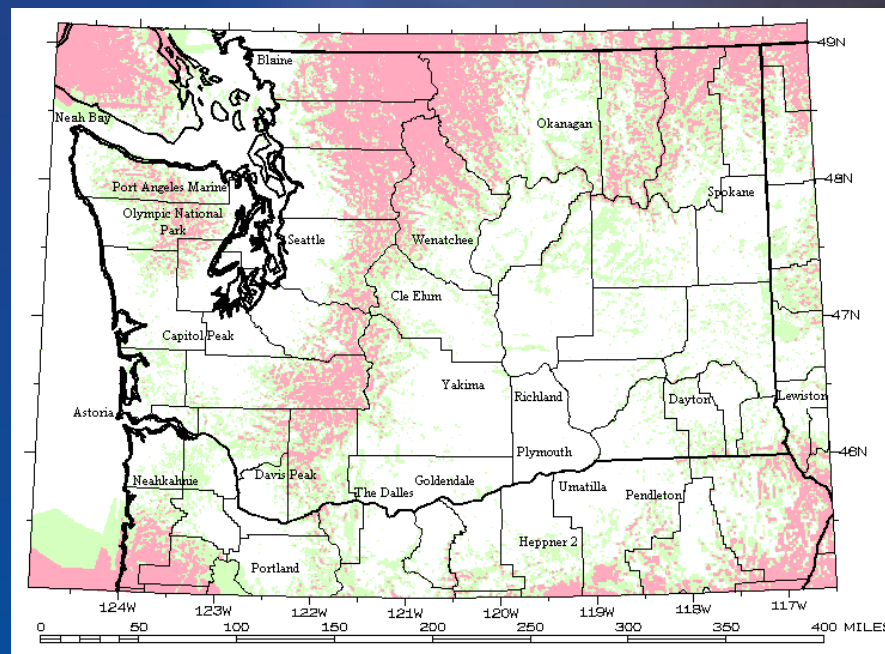
# Now Playing !



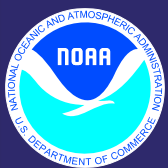
- **NOAA Weather Radio Update**
  - **New Blaine Transmitter**
  - **Serves Western Whatcom County and the San Juans**
  - **Dedicated on Sep 24**
  - **Provides This Region with All-Hazards EAS Service for the First Time**
  - **Area Hazards**
  - **2010 Winter Olympics**

**Coming Soon – Upper Cowlitz**

## Weather Radio in Washington



**Now 22 stations serving the state – 95%+ of population**



And if the forecast does not bear out.....

